



OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE  
WASHINGTON, DC 20301-1200

January 25, 2002

MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY  
DEPUTY SURGEON GENERAL OF THE NAVY  
DEPUTY SURGEON GENERAL OF THE AIR FORCE

SUBJECT: Military Health System Minimum Server Hardware Guidance

This memorandum supercedes the "Memorandum for Military Health System (MHS) Server Hardware Requirements," dated December 8, 1999, and establishes Office of the Assistant Secretary of Defense (Health Affairs) guidance for MHS minimum server hardware requirements. This guidance was developed by the Tri-Service Technical Integration Working Group and was coordinated and approved by the MHS Information Management Program Review Board. In addition, this memorandum addresses requesting waivers to procure configurations that are not compliant with MHS guidance. All new servers or upgrades acquired using Defense Health Program funding must satisfy minimum standards stipulated in Attachment 1, MHS Minimum Server Configuration. Industry technical advisors recommend planning a three to four year replacement strategy for servers.

This configuration is designed to satisfy the requirements of most common use servers such as print, file and e-mail servers while being adequately scalable to satisfy more robust processing requirements. The MHS Minimum Server Configuration can be exceeded, when necessary, to meet specific needs. Server-sizing assistance may be requested from the Tri-Service Information Management Program Office.

When a strong business case may justify a waiver to the MHS server guidance, a Request for Waiver to MHS Server Guidance (Attachment 2) must be completed and submitted for approval to Technology Management, Integration and Standards (TMI&S) office.

Point of contact for this guidance is the Office of Technology Management, Integration and Standards at (703) 681-6779 or [tmisweb@tma.osd.mil](mailto:tmisweb@tma.osd.mil).

//signed//

Chief Information Officer

Attachment(s):  
As stated

### Military Health System (MHS) Minimum Server Configuration

ITEM	MINIMUM CONFIGURATION
Operating System	IAW MHS Operating System Policy 01-014 or its successor.
Processor	Dual Intel Pentium III (or equivalent)
Processor Speed	866 MHz
Bus Speed	133 MHz
Bus types	PCI, ISA, AGP, USB
Data Path Width	32 bits
BIOS	Flash upgradable, Plug-'n-Play compatible
L1 Cache	32 KB
L2 Cache	512 KB
Power Supply	110/240 Universal Switchable
EPA Energy Star Compliant	Yes
RAM – Initial	1 GB
RAM – Expanded	4 GB
Hard Drive	3 drives, 18.2 GB each. RAID 5 recommended for medium to high-end servers
Disk Controller	SCSI-3 (ultra-wide caching) or SCSI Ultra 160
* Floppy Drive	1, 3.5 In., 1.44 MB
* CD-ROM Drive	ISO 9660 compliant, Data transfer rate 32X speed
* Video Monitor Size Resolution Dot Pitch Refresh Rate	Color 17 inches 1280 x 1024 pixels 0.28 mm 75 Hz * Monitor Optional based on monitor availability in currently installed centrally controlled or rack mounted units
Video Controller: Type Video RAM Resolution	AGP accelerator 4 MB 1280 x 1024 pixels AGP, 64-bit
Network Interface Card: Support Compatibility	Driver support for Windows 2000 – 10/100 Mb/s Ethernet Tx SNMP IP and Plug-'n-Play
Expandability: PCI Expansion Slots PC- Card Slots External Expansion Bays	4 1 2 (PCMCIA (v2.1) Type II) (front-accessible) (tower only requirement) 2 (tower only requirement)
*Parallel Ports	1 (AT type, EPP, or ECP)
Serial Ports	2 (16550A UART or USB)
* Pointing Device	2-button mouse
*Tape Drive Storage Capacity	8 mm digital audio tape (DAT) 20 GB
*UPS (Uninterruptible Power Systems)	Optional based upon existing UPS capacity

\* Note: Optional based on the technical requirement for the need of the item.

Attachment 1

### **Request for Waiver to Military Health System (MHS) Server Guidance**

Organization: \_\_\_\_\_

Date of request: \_\_\_\_\_

Address: \_\_\_\_\_

POC: \_\_\_\_\_

Telephone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

#### **Nature of Waiver Requested**

Include the specific MHS hardware standard(s) to which you are requesting a waiver.

#### **Justification**

Include the justification for the waiver and consequences if denied. Also, include statement of planned migration toward the MHS minimum standard and approximate timeline for achieving compliance to the standard. Include the scope of the waiver in terms of approximate number of units affected (i.e., "75 non-compliant servers using the RISC based CPU are planned for purchase over a 12-month period"). Please limit this section to one page or less.

\_\_\_\_\_  
Signature of Requestor

#### **Waiver Request Endorsement**

I endorse the above request based on justification provided.

\_\_\_\_\_  
Signature of Service Chief Information Officer (CIO) or  
Technical Program Manager, and Date

#### **TMI&S RESPONSE:**

This section is to be completed by Technology Management, Integration and Standards (TMI&S). It will provide a recommendation to the MHS CIO for approval/disapproval of the waiver with the associated justification. It may also include conditions and terms to be agreed to by the requestor (i.e., next major version release of this system must be ported to compliant architecture).

Approved / Disapproved Expires on: \_\_\_\_\_

\_\_\_\_\_  
TMI&S Director